

Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 128)	65664
dropout_1 (Dropout)	(None, 128)	0
dense_2 (Dense)	(None, 1)	129
Total params: 65,793		
Trainable params: 65,793		
Non-trainable params: 0		

Train on 60000 samples, validate on 10000 samples

Epoch 1/10
60000/60000 [=====] - 106s 2ms/step - loss: 0.3662 - acc: 0.8376 - val_loss: 0.3441 - val_acc: 0.8464
Epoch 2/10
60000/60000 [=====] - 107s 2ms/step - loss: 0.3393 - acc: 0.8509 - val_loss: 0.3333 - val_acc: 0.8531
Epoch 3/10
60000/60000 [=====] - 100s 2ms/step - loss: 0.3294 - acc: 0.8554 - val_loss: 0.3261 - val_acc: 0.8575
Epoch 4/10
60000/60000 [=====] - 106s 2ms/step - loss: 0.3232 - acc: 0.8587 - val_loss: 0.3224 - val_acc: 0.8616
Epoch 5/10
60000/60000 [=====] - 106s 2ms/step - loss: 0.3161 - acc: 0.8622 - val_loss: 0.3180 - val_acc: 0.8624
Epoch 6/10
60000/60000 [=====] - 100s 2ms/step - loss: 0.3107 - acc: 0.8662 - val_loss: 0.3328 - val_acc: 0.8536
Epoch 7/10
60000/60000 [=====] - 105s 2ms/step - loss: 0.3051 - acc: 0.8686 - val_loss: 0.3204 - val_acc: 0.8604
Epoch 8/10
60000/60000 [=====] - 105s 2ms/step - loss: 0.3007 - acc: 0.8713 - val_loss: 0.3131 - val_acc: 0.8653
Epoch 9/10
60000/60000 [=====] - 99s 2ms/step - loss: 0.2970 - acc: 0.8739 - val_loss: 0.3155 - val_acc: 0.8660
Epoch 10/10
60000/60000 [=====] - 105s 2ms/step - loss: 0.2915 - acc: 0.8751 - val_loss: 0.3064 - val_acc: 0.8665
30000/30000 [=====] - 44s 1ms/step

Test score: 0.3027709224700928

Test accuracy: 0.8684666666666667

